

## 中国冬青属一些种的确认\*

<sup>1</sup>陈书坤 <sup>2</sup>俸宇星

<sup>1</sup>(中国科学院昆明植物研究所 昆明 650204)

<sup>2</sup>(中国科学院植物研究所系统与进化植物学开放研究实验室 北京 100093)

## Validation of some Chinese species of *Ilex* L. (Aquifoliaceae)

<sup>1</sup>CHEN Shu-Kun <sup>2</sup>FENG Yu-Xing

<sup>1</sup>(Kunming Institute of Botany, the Chinese Academy of Sciences, Kunming 650204)

<sup>2</sup>(Laboratory of Systematic & Evolutionary Botany, Institute of Botany, the Chinese Academy of Sciences, Beijing 100093)

**Abstract** Eight species, *Ilex ficifolia* C. J. Tseng ex S. K. Chen et Y. X. Feng, *I. huiana* C. J. Tseng ex S. K. Chen et Y. X. Feng, *I. hirsuta* C. J. Tseng ex S. K. Chen et Y. X. Feng, *I. zhejiangensis* C. J. Tseng ex S. K. Chen et Y. X. Feng, *I. wugongshanensis* C. J. Tseng ex S. K. Chen et Y. X. Feng, *I. robustinervosa* C. J. Tseng ex S. K. Chen et Y. X. Feng, *I. syzygiophylla* C. J. Tseng ex S. K. Chen et Y. X. Feng and *I. verisimilis* Chun ex C. J. Tseng ex S. K. Chen et Y. X. Feng, are validly published here by the designation of holotypes.

**Key words** *Ilex*; Holotype; Nomenclature

In the course of preparing a treatment of the Aquifoliaceae for Flora Reipublicae Popularis Sinicae, we found that valid publication of eight names is needed. These names were all published based on syntypes, without indication of the holotype. According to the International Code of Botanical Nomenclature [Article 8.1, 37.1, 32.1(c), 32.4, 33.2 and 37.1] (Greuter *et al.*, 1994), the valid publication of these names is achieved here by the designation of holotypes and indirect citation of former complete descriptions.

**1 *Ilex ficifolia*** C. J. Tseng ex S. K. Chen et Y. X. Feng, sp. nov. TYPE: China. Fujian: Yong'an (永安), 1944-10-25, Y. J. Lau (刘业经) 434 (holotype, AU)

*Ilex ficifolia* C. J. Tseng was described in Journ. Xiamen Univ. Nat. Sci. 9(4): 306, fig 3. (Tseng, 1962). Two specimens, Y. J. Lau 434 and G. Hoo 2057, were cited without indication of the holotype. Y. J. Lau 434 is designated here as the holotype for the name *I. ficifolia*.

**2 *Ilex huiana*** C. J. Tseng ex S. K. Chen et Y. X. Feng, sp. nov. TYPE: China. Hainan, Leihui (乐会), Hainan Exped. Team 324 (holotype, PE).

*Ilex huiana* C. J. Tseng was described in Bull. Bot. Res. 1(1~2): 9 (Tseng, 1981). Two specimens, Hainan Exped. Team 324 (♀, PE) and Y. Zhong (钟义) 3894 (♂, IBSC), were cited as syntypes without indication of the holotype. Hainan Exped. Team 324 is designated here as the holotype for the name *I. huiana*.

**3 *Ilex hirsuta*** C. J. Tseng ex S. K. Chen et Y. X. Feng, sp. nov. TYPE: China. Hubei, Lichuan (利川), L. Y. Dai (戴伦膺) *et al.* 1686 (holotype, PE)

*Ilex hirsuta* C. J. Tseng was published in Bull. Bot. Res. 1(1~2): 11 (Tseng, 1981). Two specimens, L. Y. Dai *et al.* 1686 and P. C. Tam (谭沛祥) 60938 (IBSC),

were cited as syntypes without indication of the holotype. L. Y. Dai *et al.* 1686 is designated here as the holotype for the name *I. hirsuta*.

**4** *Ilex zhejiangensis* C. J. Tseng ex S. K. Chen et Y. X. Feng, sp. nov. TYPE: China. Zhejiang, Hangzhou(杭州), C. J. Tseng(曾沧江)*et al.* s. n. (holotype, AU).

*Ilex zhejiangensis* C. J. Tseng was published in Bull. Bot. Res. 1(1~2): 13(Tseng, 1981). Two specimens, C. J. Tseng *et al.* s. n. and Hangzhou Univ. Exped. Team s. n., were cited as syntypes without indication of the holotype. C. J. Tseng *et al.* s. n. is designated here as the holotype for the name *I. zhejiangensis*.

**5** *Ilex wugongshanensis* C. J. Tseng ex S. K. Chen et Y. X. Feng, sp. nov. TYPE: China. Jiangxi, Wugongshan(武功山), Y. G. Xiong(熊耀国) 8720(holotype, LBG)

*Ilex wugongshanensis* C. J. Tseng was described in Bull. Bot. Res. 1(1~2): 14 (Tseng, 1981). Two specimens, Y. G. Xiong 7845(♂) and Y. G. Xiong 8720(♀), were cited as syntypes without indication of the holotype. Y. G. Xiong 8720(Fr.) is designated here as the holotype for the name *Ilex wugongshanensis*.

**6** *Ilex robustinervosa* C. J. Tseng ex S. K. Chen et Y. X. Feng, sp. nov. TYPE: China. Guangdong, Yangjiang(阳江), Zhanjiang Exped. Team 3228(holotype, IBSC).

*Ilex robustinervosa* C. J. Tseng was published in Bull. Bot. Res. 1(1~2): 27(Tseng, 1981). Two specimens, Zhanjiang Exped. Team 3228 and Zhanjiang Exped. Team 3663 form syntypes of the species. Zhanjiang Exped. Team 3228 is designated here as the holotype for the name *I. robustinervosa*.

**7** *Ilex syzygiophylla* C. J. Tseng ex S. K. Chen et Y. X. Feng, sp. nov. TYPE: China. Guangdong, Ruyuan(乳源), Xishan(西山), L. Teng(邓良) 5542(holotype, IBSC).

*Ilex syzygiophylla* C. J. Tseng was published in Bull. Bot. Res. 1(1~2): 29(Tseng, 1981). Two types, L. Teng 5542 and Yue 73, were cited as syntypes. L. Teng 5542 is designated here as the holotype for the name *I. syzygiophylla*.

**8** *Ilex verisimilis* Chun ex C. J. Tseng ex S. K. Chen et Y. X. Feng, sp. nov. TYPE: China. Guangxi, Longsheng(龙胜), Guangfu Exped. Team 1088(holotype, PE).

*Ilex verisimilis* C. J. Tseng was described in Bull. Bot. Res. 1(1~2): 31(Tseng, 1981). Two specimens, Guangfu Exped. Team 1088 and S. S. Sin 9825(IBSC), were cited as syntypes without indication of the holotype. Guangfu Exped. Team 1088 is designated here as the holotype.

**Acknowledgments** We thank Profs. WU Zheng-Yi, WANG Wen-Tsai, TANG Yan-Chen, LI Zheng-Yu and Dr. Zhu Guanghua for their critical suggestions on the subject. We also thank Prof. HONG De-Yuan for his valuable comments on the manuscript.

## References

- Tseng C-J(曾沧江), 1962. New and noteworthy flowering plants of Fukien. Journ. Xiamen Univ Nat Sci(厦门大学学报自然科学版), 9(4): 302~308
- Tseng C-J(曾沧江), 1981. Contributions to the Aquifoliaceae of China. Bull Bot Res(植物研究), 1(1-2): 1~40
- Greuter W, Barrie F R, Burdet H M *et al.* (eds.), 1994. International Code of Botanical Nomenclature (Tokyo Code), Adopted by the Fifteenth International Botanical Congress, Yokohama, August-September, 1993. Regnum Veg. 131: i ~ xviii, 1~389. D-61453, Königstein, Germany; Koeltz Scientific Books